

Abstract

The present invention relates to a contact-type sensor of an object, which is constructed by
5 placing an elastic light material such as a sponge with certain thickness on the surface of the object and plastic membrane switches which are just like the keyboard of a computer are arranged below the sponge. When a robot equipped with the sensors meets a barrier, the sponge on the surface is pressed and the force can be absorbed by the sponge and transferred to the plastic membrane switches, just as the switches are pressed directly, therefore, the
10 robot can perceive the barrier in one direction.